

SEQUENCE LISTING

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Yue, Beatrice  
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Pulido, Jose S.

<120> SILENCING OF TGF-BETA TYPE II RECEPTOR EXPRESSION BY siRNA

<130> UIC0005US.NP

<150> US 60/495,161  
<151> 2003-08-13

<150> US 60/517,809  
<151> 2003-11-06

<150> US 60/561,542  
<151> 2004-04-09

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<170> PatentIn version 3.3

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 Arg Gly Leu Trp Pro Leu His Ile Val Leu Trp Thr Arg Ile Ala Ser  
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 Thr Ile Pro Pro His Val Gln Lys Ser Val Asn Asn Asp Met Ile Val  
 25 30 35  
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 Thr Asp Asn Asn Gly Ala Val Lys Phe Pro Gln Leu Cys Lys Phe Cys  
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 Asp Val Arg Phe Ser Thr Cys Asp Asn Gln Lys Ser Cys Met Ser Asn  
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 Cys Ser Ile Thr Ser Ile Cys Glu Lys Pro Gln Glu Val Cys Val Ala  
 75 80 85  
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 90 95 100  
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 Asp Pro Lys Leu Pro Tyr His Asp Phe Ile Leu Glu Asp Ala Ala Ser  
 105 110 115  
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 Pro Lys Cys Ile Met Lys Glu Lys Lys Lys Pro Gly Glu Thr Phe Phe  
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| atg tgt tcc tgt agc tct gat gag tgc aat gac aac atc atc ttc tca | 785  |
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| gaa gaa tat aac acc agc aat cct gac ttg ttg cta gtc ata ttt caa | 833  |
| Glu Glu Tyr Asn Thr Ser Asn Pro Asp Leu Leu Leu Val Ile Phe Gln |      |
| 155 160 165   |      |
| gtg aca ggc atc agc ctc ctg cca cca ctg gga gtt gcc ata tct gtc | 881  |
| Val Thr Gly Ile Ser Leu Leu Pro Pro Leu Gly Val Ala Ile Ser Val |      |
| 170 175 180   |      |
| atc atc atc ttc tac tgc tac cgc gtt aac cgg cag cag aag ctg agt | 929  |
| Ile Ile Ile Phe Tyr Cys Tyr Arg Val Asn Arg Gln Gln Lys Leu Ser |      |
| 185 190 195   |      |
| tca acc tgg gaa acc ggc aag acg cgg aag ctc atg gag ttc agc gag | 977  |
| Ser Thr Trp Glu Thr Gly Lys Thr Arg Lys Leu Met Glu Phe Ser Glu |      |
| 200 205 210   |      |
| cac tgt gcc atc atc ctg gaa gat gac cgc tct gac atc agc tcc acg | 1025 |
| His Cys Ala Ile Ile Leu Glu Asp Asp Arg Ser Asp Ile Ser Ser Thr |      |
| 215 220 225 230   |      |
| tgt gcc aac aac atc aac cac aac aca gag ctg ctg ccc att gag ctg | 1073 |
| Cys Ala Asn Asn Ile Asn His Asn Thr Glu Leu Leu Pro Ile Glu Leu |      |
| 235 240 245   |      |
| gac acc ctg gtg ggg aaa ggt cgc ttt gct gag gtc tat aag gcc aag | 1121 |
| Asp Thr Leu Val Gly Lys Gly Arg Phe Ala Glu Val Tyr Lys Ala Lys |      |
| 250 255 260   |      |
| ctg aag cag aac act tca gag cag ttt gag aca gtg gca gtc aag atc | 1169 |
| Leu Lys Gln Asn Thr Ser Glu Gln Phe Glu Thr Val Ala Val Lys Ile |      |
| 265 270 275   |      |
| ttt ccc tat gag gag tat gcc tct tgg aag aca gag aag gac atc ttc | 1217 |
| Phe Pro Tyr Glu Glu Tyr Gln Ser Trp Lys Thr Glu Lys Asp Ile Phe |      |
| 280 285 290   |      |
| tca gac atc aat ctg aag cat gag aac ata ctc cag ttc ctg acg gct | 1265 |
| Ser Asp Ile Asn Leu Lys His Glu Asn Ile Leu Gln Phe Leu Thr Ala |      |
| 295 300 305 310   |      |
| gag gag cgg aag acg gag ttg ggg aaa caa tac tgg ctg atc acc gcc | 1313 |
| Glu Glu Arg Lys Thr Glu Leu Gly Lys Gln Tyr Trp Leu Ile Thr Ala |      |
| 315 320 325   |      |
| ttc cac gcc aag ggc aac cta cag gag tac ctg acg cgg cat gtc atc | 1361 |
| Phe His Ala Lys Gly Asn Leu Gln Glu Tyr Leu Thr Arg His Val Ile |      |
| 330 335 340   |      |
| agc tgg gag gac ctg cgc aag ctg ggc agc tcc ctc gcc cgg ggg att | 1409 |
| Ser Trp Glu Asp Leu Arg Lys Leu Gly Ser Ser Leu Ala Arg Gly Ile |      |
| 345 350 355   |      |

|   |      |
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| gct cac ctc cac agt gat cac act cca tgt ggg agg ccc aag atg ccc<br>Ala His Leu His Ser Asp His Thr Pro Cys Gly Arg Pro Lys Met Pro<br>360 365 370     | 1457 |
| atc gtg cac agg gac ctc aag agc tcc aat atc ctc gtg aag aac gac<br>Ile Val His Arg Asp Leu Lys Ser Ser Asn Ile Leu Val Lys Asn Asp<br>375 380 385 390 | 1505 |
| cta acc tgc tgc ctg tgt gac ttt ggg ctt tcc ctg cgt ctg gac cct<br>Leu Thr Cys Cys Leu Cys Asp Phe Gly Leu Ser Leu Arg Leu Asp Pro<br>395 400 405     | 1553 |
| act ctg tct gtg gat gac ctg gct aac agt ggg cag gtg gga act gca<br>Thr Leu Ser Val Asp Asp Leu Ala Asn Ser Gly Gln Val Gly Thr Ala<br>410 415 420     | 1601 |
| aga tac atg gct cca gaa gtc cta gaa tcc agg atg aat ttg gag aat<br>Arg Tyr Met Ala Pro Glu Val Leu Glu Ser Arg Met Asn Leu Glu Asn<br>425 430 435     | 1649 |
| gct gag tcc ttc aag cag acc gat gtc tac tcc atg gct ctg gtg ctc<br>Ala Glu Ser Phe Lys Gln Thr Asp Val Tyr Ser Met Ala Leu Val Leu<br>440 445 450     | 1697 |
| tgg gaa atg aca tct cgc tgt aat gca gtg gga gaa gta aaa gat tat<br>Trp Glu Met Thr Ser Arg Cys Asn Ala Val Gly Glu Val Lys Asp Tyr<br>455 460 465 470 | 1745 |
| gag cct cca ttt ggt tcc aag gtg cgg gag cac ccc tgt gtc gaa agc<br>Glu Pro Pro Phe Gly Ser Lys Val Arg Glu His Pro Cys Val Glu Ser<br>475 480 485     | 1793 |
| atg aag gac aac gtg ttg aga gat cga ggg cga cca gaa att ccc agc<br>Met Lys Asp Asn Val Leu Arg Asp Arg Gly Arg Pro Glu Ile Pro Ser<br>490 495 500     | 1841 |
| ttc tgg ctc aac cac cag ggc atc cag atg gtg tgt gag acg ttg act<br>Phe Trp Leu Asn His Gln Gly Ile Gln Met Val Cys Glu Thr Leu Thr<br>505 510 515     | 1889 |
| gag tgc tgg gac cac gac cca gag gcc cgt ctc aca gcc cag tgt gtg<br>Glu Cys Trp Asp His Asp Pro Glu Ala Arg Leu Thr Ala Gln Cys Val<br>520 525 530     | 1937 |
| gca gaa cgc ttc agt gag ctg gag cat ctg gac agg ctc tcg ggg agg<br>Ala Glu Arg Phe Ser Glu Leu Glu His Leu Asp Arg Leu Ser Gly Arg<br>535 540 545 550 | 1985 |
| agc tgc tcg gag gag aag att cct gaa gac ggc tcc cta aac act acc<br>Ser Cys Ser Glu Glu Lys Ile Pro Glu Asp Gly Ser Leu Asn Thr Thr<br>555 560 565     | 2033 |
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Gln Leu Cys Lys Phe Cys Asp Val Arg Phe Ser Thr Cys Asp Asn Gln  
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Lys Ser Cys Met Ser Asn Cys Ser Ile Thr Ser Ile Cys Glu Lys Pro  
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Gln Glu Val Cys Val Ala Val Trp Arg Lys Asn Asp Glu Asn Ile Thr  
 85 90 95

Leu Glu Thr Val Cys His Asp Pro Lys Leu Pro Tyr His Asp Phe Ile  
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Leu Glu Asp Ala Ala Ser Pro Lys Cys Ile Met Lys Glu Lys Lys Lys  
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Pro Gly Glu Thr Phe Phe Met Cys Ser Cys Ser Ser Asp Glu Cys Asn  
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Asp Asn Ile Ile Phe Ser Glu Glu Tyr Asn Thr Ser Asn Pro Asp Leu  
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Leu Leu Val Ile Phe Gln Val Thr Gly Ile Ser Leu Leu Pro Pro Leu  
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Gly Val Ala Ile Ser Val Ile Ile Ile Phe Tyr Cys Tyr Arg Val Asn  
 180 185 190

Arg Gln Gln Lys Leu Ser Ser Thr Trp Glu Thr Gly Lys Thr Arg Lys  
 195 200 205

Leu Met Glu Phe Ser Glu His Cys Ala Ile Ile Leu Glu Asp Asp Arg  
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Ser Asp Ile Ser Ser Thr Cys Ala Asn Asn Ile Asn His Asn Thr Glu  
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Glu Val Tyr Lys Ala Lys Leu Lys Gln Asn Thr Ser Glu Gln Phe Glu  
 260 265 270

Thr Val Ala Val Lys Ile Phe Pro Tyr Glu Glu Tyr Ala Ser Trp Lys  
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Thr Glu Lys Asp Ile Phe Ser Asp Ile Asn Leu Lys His Glu Asn Ile  
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Leu Gln Phe Leu Thr Ala Glu Glu Arg Lys Thr Glu Leu Gly Lys Gln  
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Tyr Trp Leu Ile Thr Ala Phe His Ala Lys Gly Asn Leu Gln Glu Tyr  
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Leu Thr Arg His Val Ile Ser Trp Glu Asp Leu Arg Lys Leu Gly Ser  
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Ser Leu Ala Arg Gly Ile Ala His Leu His Ser Asp His Thr Pro Cys  
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Ser Leu Arg Leu Asp Pro Thr Leu Ser Val Asp Asp Leu Ala Asn Ser  
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Gly Gln Val Gly Thr Ala Arg Tyr Met Ala Pro Glu Val Leu Glu Ser  
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Arg Met Asn Leu Glu Asn Ala Glu Ser Phe Lys Gln Thr Asp Val Tyr  
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Ser Met Ala Leu Val Leu Trp Glu Met Thr Ser Arg Cys Asn Ala Val  
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Gly Glu Val Lys Asp Tyr Glu Pro Pro Phe Gly Ser Lys Val Arg Glu  
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His Pro Cys Val Glu Ser Met Lys Asp Asn Val Leu Arg Asp Arg Gly  
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Arg Pro Glu Ile Pro Ser Phe Trp Leu Asn His Gln Gly Ile Gln Met  
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Val Cys Glu Thr Leu Thr Glu Cys Trp Asp His Asp Pro Glu Ala Arg  
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